

## 03050107-030

(North Tyger River)

### General Description

Watershed 03050107-030 is located in Spartanburg County and consists primarily of the lower **North Tyger River** and its tributaries. The watershed occupies 33,796 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Davidson-Pacolet-Enon-Cecil series. The erodibility of the soil (K) averages 0.29, and the slope of the terrain averages 8%, with a range of 2-15%. Land use/land cover in the watershed includes: 60.4% forested land, 19.5% urban land, 14.9% agricultural land, 4.9% scrub/shrub land, 0.1% barren land, and 0.2% water.

Frey Creek (Grays Creek) drains into the North Tyger River followed by Jimmies Creek, Cub Branch, Ranson Creek, Tim Creek (Montgomery Pond), and Stillhouse Branch. Further downstream the river flows through Ott Shoals and accepts drainage from Wards Creek (Tanyard Branch), Tin Roof Branch, Johnson Branch (Big Branch), and Thomas Branch. There are several ponds and lakes (totaling 34.3 acres) in this watershed used for recreational purposes and 70.3 stream miles, all classified FW.

### Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
B-017	BIO	FW	NORTH TYGER RIVER AT SC 296
B-018A	S	FW	NORTH TYGER RIVER AT S-42-231, 11 MI S OF SPARTANBURG

**North Tyger River** - There are two monitoring sites along this section of the North Tyger River. At the upstream site (**B-017**), aquatic life uses are fully supported based on macroinvertebrate community data. At the downstream site (**B-018A**), aquatic life uses are fully supported; however, there is a significant decreasing trend in dissolved oxygen concentration and a significant increasing trend in total phosphorus concentration. Recreational uses are not supported at this site due to fecal coliform bacteria excursions.

### NPDES Program

#### Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE LIMITATION</i>
NORTH TYGER RIVER SSSD/NORTH TYGER RIVER PIPE #: 001 FLOW: 1.0 (PHASE I) PIPE #: 001 FLOW: 2.0 (PHASE II) WQL FOR BOD5,DO,TRC,NH3N TO BE ELIMINATED (TIED INTO SSSD/LOWER N. TYGER R. WWTP)	SC0043532 MAJOR DOMESTIC WATER QUALITY WATER QUALITY
NORTH TYGER RIVER SSSD/LOWER N. TYGER RIVER WWTP PIPE #: 001 FLOW: 0.5 PIPE #: 001 FLOW: 2.5 (PHASE II) WQL FOR TRC	SC0048143 MINOR DOMESTIC WATER QUALITY WATER QUALITY

NORTH TYGER RIVER TRIBUTARY ABCO INDUSTRIES LTD. PIPE #: 001 FLOW: 0.036	SC0002321 MAJOR INDUSTRIAL EFFLUENT
TIM CREEK SSSD/ROEBUCK MIDDLE SCHOOL PIPE #: 001 FLOW: 0.022 WQL FOR DO,TRC,NH3N	SC0037532 MINOR DOMESTIC WATER QUALITY
TIM CREEK SSSD/TIM CREEK WWTP PIPE #: 001 FLOW: 0.03 WQL FOR TRC,NH3N TO BE ELIMINATED (TIED INTO SSSD/LOWER N. TYGER R. WWTP)	SC0041491 MINOR DOMESTIC WATER QUALITY
JIMMIES CREEK SYBRON CHEMICALS INC. PIPE #: 001 FLOW: 0.36 WQL FOR DO	SCG250194 MINOR INDUSTRIAL WATER QUALITY
RANSON CREEK MADERA SD PIPE #: 001 FLOW: 0.076 WQL FOR DO,TRC,NH3N	SC0021687 MINOR DOMESTIC WATER QUALITY
RANSON CREEK TRIBUTARY LINVILLE HILLS SD/PALMETTO UTIL. PIPE #: 001 FLOW: 0.12 WQL FOR DO,TRC,NH3N	SC0034169 MINOR DOMESTIC WATER QUALITY
FREY CREEK MIDWAY PARK WWTP PIPE #: 001 FLOW: 0.015 WQL FOR TRC	SC0030571 MINOR DOMESTIC WATER QUALITY

## Nonpoint Source Management Program

### *Land Disposal Activities*

#### **Landfill Facilities**

<i>LANDFILL NAME</i> <i>FACILITY TYPE</i>	<i>PERMIT #</i> <i>STATUS</i>
PALMETTO LANDFILL DOMESTIC	422401-1101 ACTIVE
PALMETTO LANDFILL DOMESTIC	DWP-092 ACTIVE
TINDAL CONCRETE SPECIAL WASTE LANDFILL INDUSTRIAL	423340-1601 ACTIVE

### *Mining Activities*

<i>MINING COMPANY</i> <i>MINE NAME</i>	<i>PERMIT #</i> <i>MINERAL</i>
KING ASPHALT ANDERSON MINE	1213-83 RIVER SAND

## **Growth Potential**

There is a high potential for growth in this watershed, which contains portions of the Town of Duncan and the City of Spartanburg. I-26 and I-85 bisect the watershed and growth is expected around the major highway interchanges, along with industrial developmental pressures along U.S. Hwy. 29 and U.S. Hwy. 221. The Cities of Greer and Spartanburg are connected via the I-85 corridor, and the Town of Duncan is expected to serve as a bedroom community for the Greer-Spartanburg area. The City of Spartanburg is building regional treatment facilities, which should provide for future growth.